

# King County DNRP Water Quality Index

STATION **AMES 1** WATER YEAR **2014**

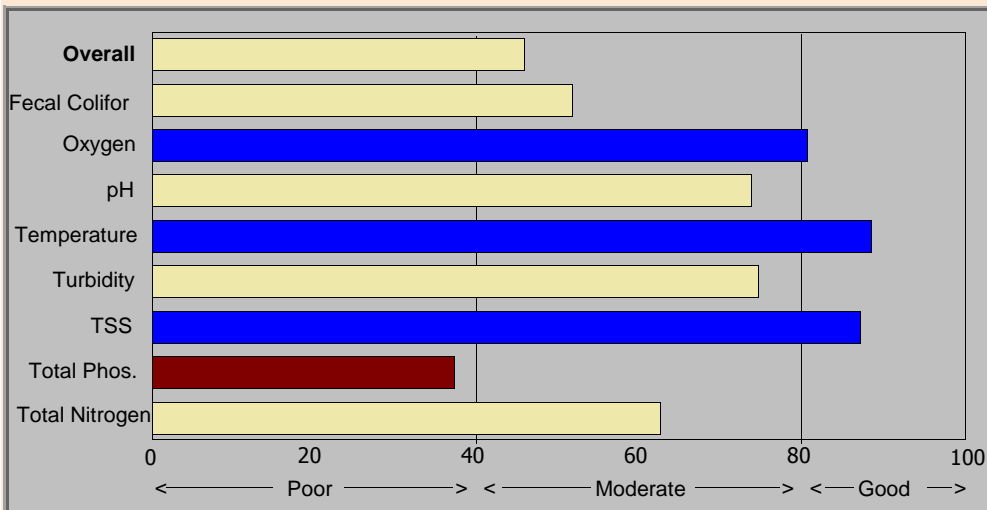
**GAUGE # 01B Ames Creek in Snoqualmie Valley**

**Overall Index 46**

King County monitors water quality in Ames Creek near the mouth of the creek on the upstream side of NE 100th Street, just east of West Snoqualmie Road. King County has collected regular water quality samples since 2011. The Ames Creek basin encompasses 5,120 acres, including Ames Lake, which is fed by the steep upper section of Ames Creek. Below Ames Lake, the creek descends to the Snoqualmie Valley floor where it flows into the Snoqualmie River. Land use in the basin is dominated by rural residential (70%) and agriculture (30%). There has been heavy alteration in the riparian corridor from agricultural development in the lower reaches and residential development in the upper reaches of Ames Creek. Chinook, coho, and steelhead have been observed in the Ames Creek basin. High water temperature, excess nutrients, and particularly bacteria are water quality concerns in Ames Creek.

## Annual Water Quality Index Scores

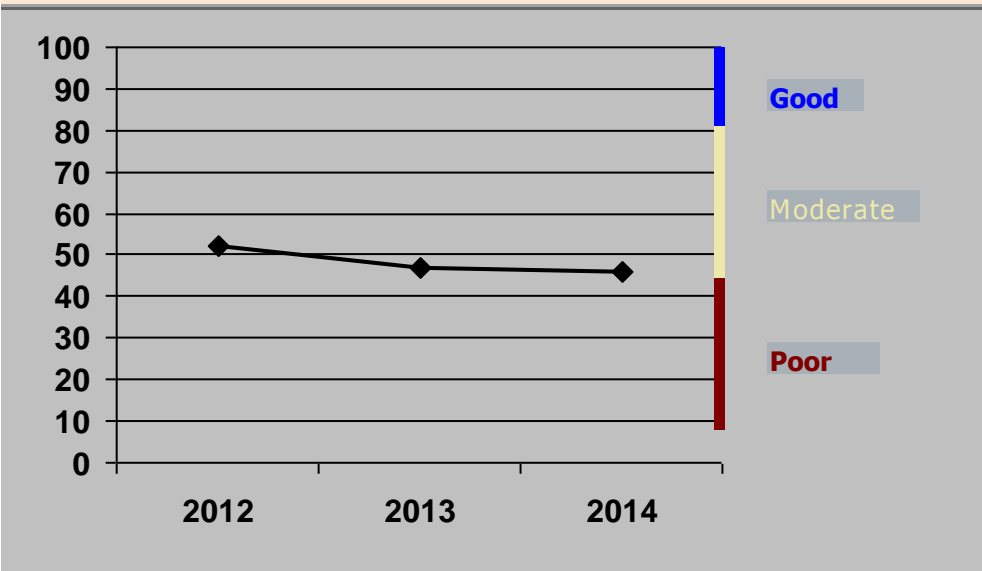
Water quality was MODERATE based on data collected 10/1/2013 to 9/30/2014.



## Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
93	69	84	61	32	59	78	48	72	88	88	94

## WQI Score Comparison By Water Year



## About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>